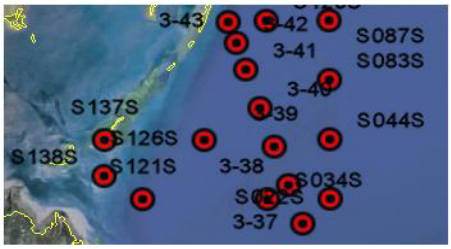
Seabed Grab Sampling Operations	
Vessel	R/V Ryan Chouest
Summary Report Number	08
Operating equipment	Van Veen grab (0.1 square m)
Date	15 October 2010
Completed casts (24 hr)	16
Report complied by	Michael J. Hamilton

Seabed sampling locations

Seabed Grab Sampling Operations Ryan Chouest
October 15, 2010



54	S087S	Sed	Grab	29.782050	-88.548383	-27.000000
55	S120S	Sed	Grab	29.780201	-88.698904	-14.000000
56	3-43	Sed	Grab	29.776698	-88.790034	-5.000000
57	3-42	Sed	Grab	29.730632	-88.769837	-8.062500
58	3-41	Sed	Grab	29.671936	-88.746868	-12.000000
59	S083S	Sed	Grab	29.650739	-88.546369	-29.875000
60	S044S	Sed	Grab	29.519426	-88.544368	-45.062500
61	S022S	Sed	Grab	29.388110	-88.542380	-57.000000
62	3-37	Sed	Grab	29.332563	-88.607659	-60.875000
63	S034S	Sed	Grab	29.386291	-88.692318	-48.750000
64	3-38	Sed	Grab	29.417429	-88.642381	-48.000000
65	3-39	Sed	Grab	29.502279	-88.677156	-24.625000
66	3-40	Sed	Grab	29.587115	-88.711985	-15.000000
67	S126S	Sed/	Grab	29.515598	-88.844615	-12.000000
68	S137S	Sed	Grab	29.513431	-88.994715	-5.000000
69	S138S	Sed	Grab	29.434061	-89.083176	-5.000000
70	S121S	Sed	Grab	29.383514	-88.990525	-13.125000

Grab samples were processed and stored in accordance with SOPRC01. Where grab volume was sufficient samples of sediment were taken, prepared and stored (frozen -20°C) for hydrocarbon, trace metal, BTEX, grain size , total inorganic carbon (TIC) total organic carbon (TOC) and Microtox™ toxicology analysis onshore.

Core samples were taken from the grab sediments where sample depth allowed using core sections OD 110mm to a depth 0-3cm.

Station S087S

Lat: 29.782052
Long: -88.548378
01:32 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1

Visible contamination: None

Olfactible contamination: None

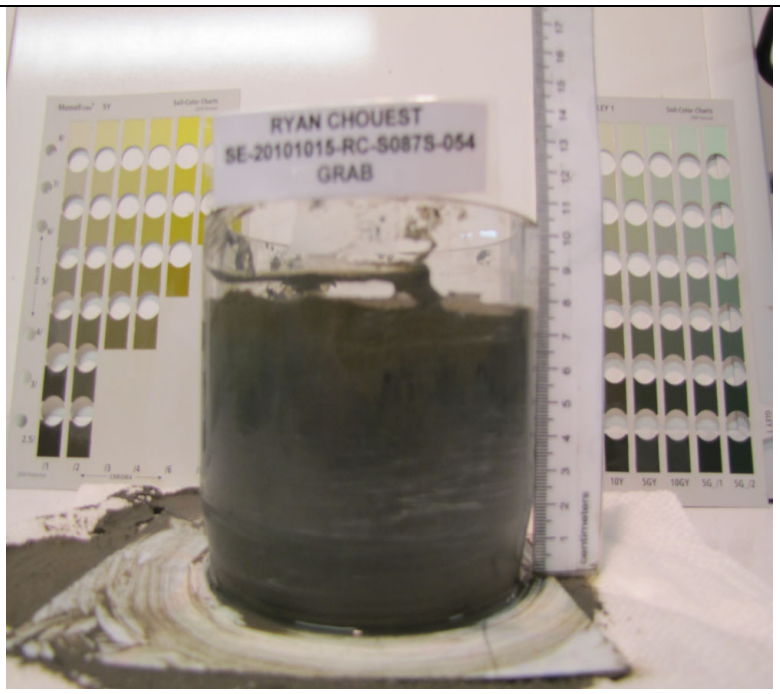
Description: Two layers:
Upper layer: Globular mousse like silt.
Lower layer: Clay like

Upper layer Color: Dark olive gray 5Y3/2

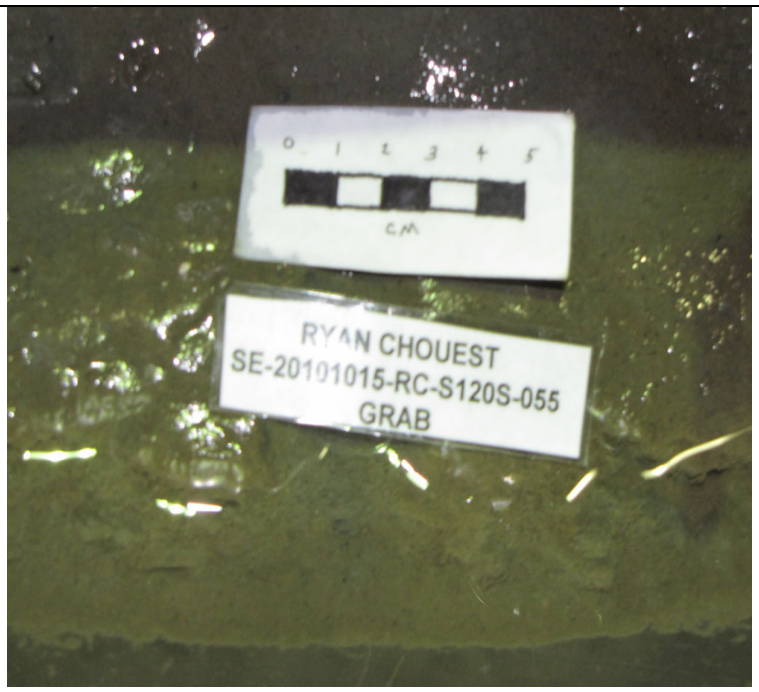
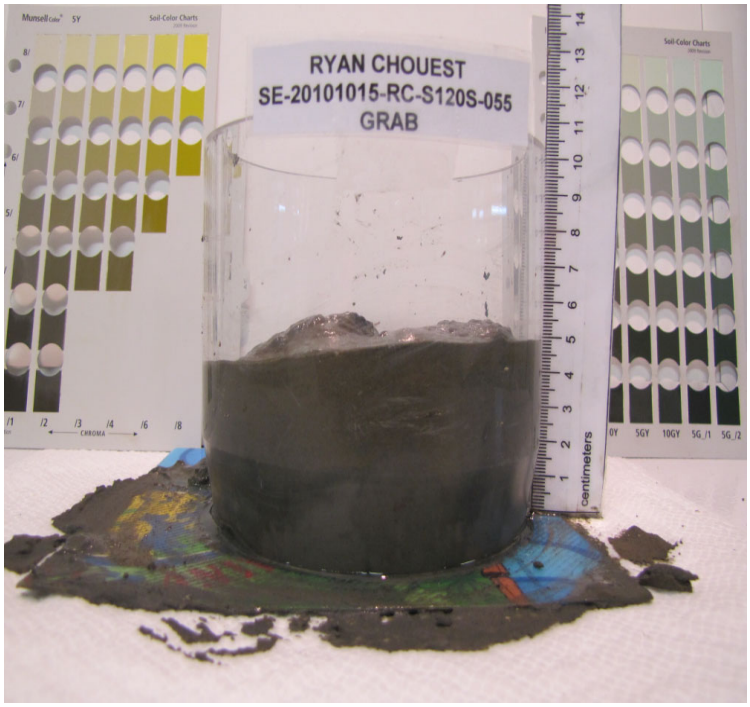
Lower layer color: Greenish black GLEY1 2.5/5y

Remarks: Top Photo should be Sample 54

Biota: None

Station S120S **Lat: 29.780192** **Long: -88.698908** **02:56 (CDT)** <u>Sediment</u> *Recovery:* Total 1 grabs attempts. Sample taken from grab #1 *Visible contamination*: None *Olfactible contamination*: None *Description:* Mousse like Silt *Upper layer Color:* Dark olive gray 5Y3/2 *Lower layer color:* Greenish black GLEY1 2.5/5y *Remarks*: None	

Biota: Snail	 

Station 3-43 **Lat: 29.776693** **Long: -88.790038**	

04:15 (CDT)

Sediment

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

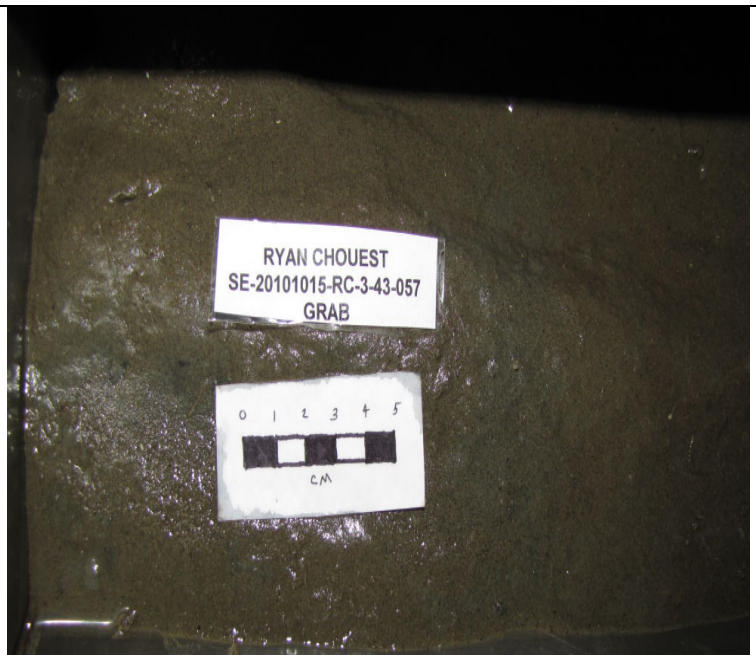
Description: Fine sand and silt

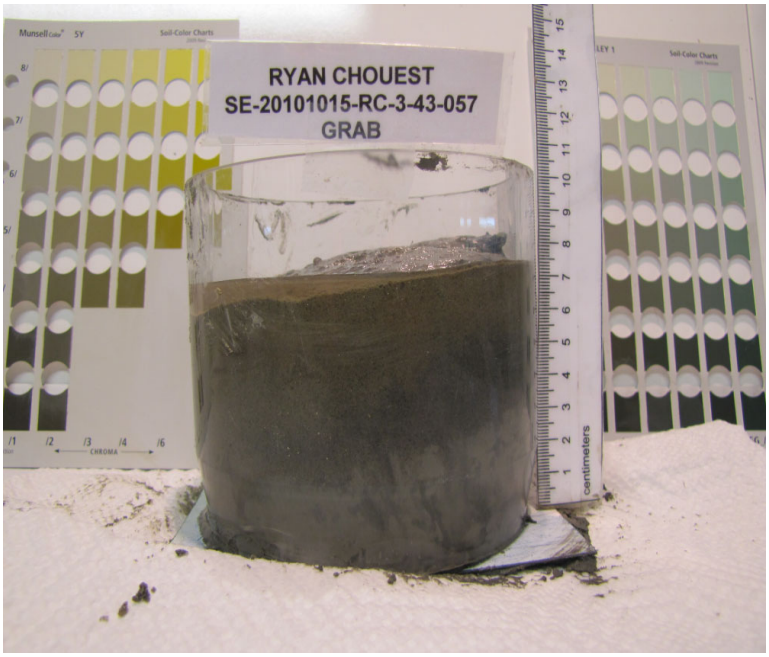
Color:
Upper layer Color: Dark olive gray 5Y3/2

Lower layer color: Greenish black GLEY1 2.5/5y

Remarks: None

Biota: Shrimp





Station 3-42

Lat: 29.730632
Long: -88.769908
03:42 (CDT)

Sediment

Recovery: Total 1 grabs

attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

Description: Silt

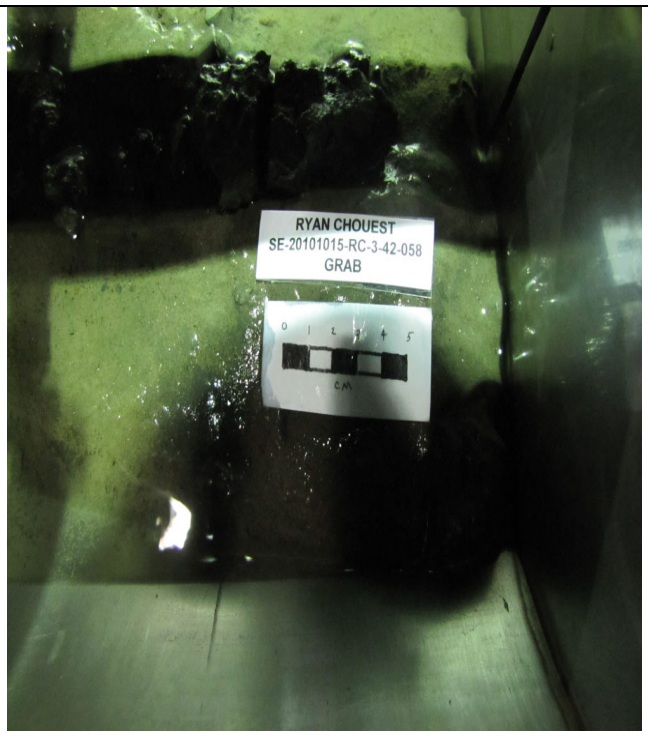
Color:

Upper layer Color: Dark olive gray 5Y3/2

Lower layer color: Greenish black GLEY1 2.5/5y

Remarks: None

Biota: None



Station 3-41

Lat: 29.671940
Long: -88.746870
06:43 (CDT)

Sediment

Recovery: Total 2 grabs attempts. Sample taken from grab #2.

Visible contamination: None

Olfactible contamination: None

Description: Silt

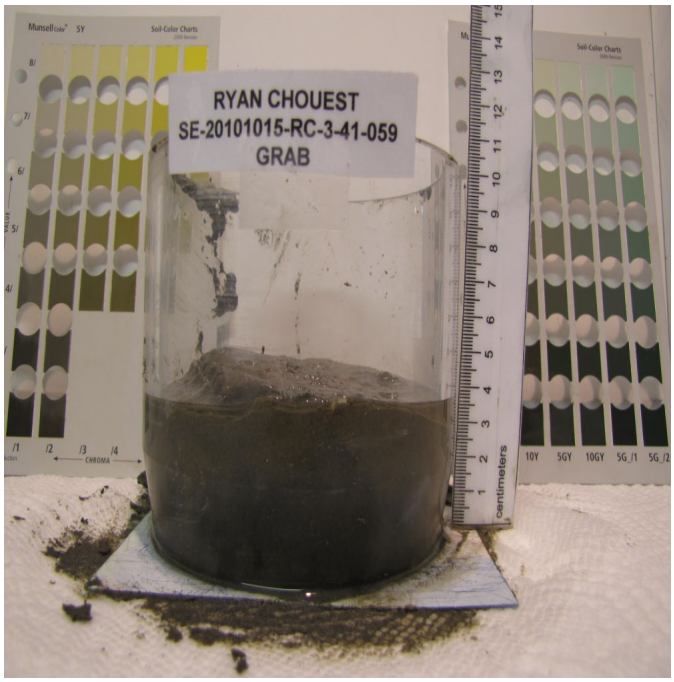
Color:

Upper layer Color: Dark olive gray 5Y3/2

Lower layer color: Greenish black GLEY1 2.5/5y

Remarks: None

Biota: None



Station S083S

Lat: 29.650738
Long: -88.546376
08:18 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

Description: Silt

Color:

Upper layer Color: Dark olive gray 5Y3/2

Lower layer color: Greenish black GLEY1 2.5/5y

Remarks: None

Biota: None

Station S044S

Lat: 29.519421
Long: -88.544374
09:42 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

Description: Silt

Color:

Upper layer Color: Dark olive gray 5Y3/2

Lower layer color: Greenish black GLEY1 2.5/5y

Remarks: None

Biota: None

Station S022S

Lat: 29.388108
Long: -88.542373
11:24 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

Description: Silt

Color:

Upper layer Color: Dark olive gray 5Y3/2

Lower layer color: Greenish black GLEY1 2.5/5y

Remarks: None

Biota: None

Station 3-37

Lat: 29.332564
Long: -88.607670
12:52 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

Description: Very fine Silt

Color: Very Dark Grey 10YR 3/1

Remarks: None

Biota: None

Station S034S

Lat: 29.386291
Long: -88.692323
14:28 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

Description: Silt

Color: Very Dark Greenish Grey 10Y 3/1 Gley1

Remarks: None

Biota: Mantis Shrimp

Station 3-38

Lat: 29.417424
Long: -88.642380
15:35 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

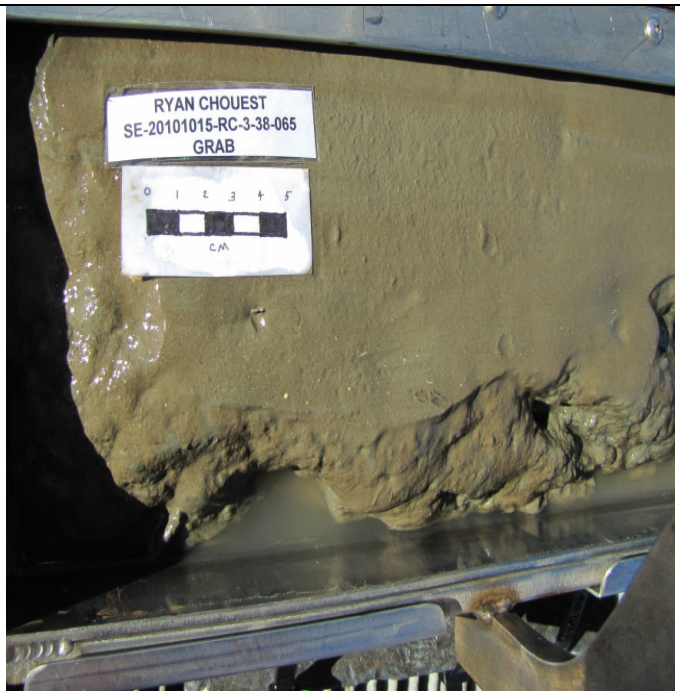
Olfactible contamination: None

Description: Clayey Silt

Color: Very Dark Greyish Olive 10Y-5GY 3/2

Remarks: None

Biota: None



Station 3-39

Lat: 29.502276
Long: -88.677148
16:59 (CDT)

<u>Sediment</u>

Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: None

Olfactible contamination: None

Description: Sandy Clay with a thin top layer of silt

Color: Very Dark Greenish Grey
GELY1 10Y 3/1

Remarks: None

Biota: Polycheates

Station 3-40

Lat: 29.587114
Long: -88.711987
18:21 (CDT)

<u>Sediment</u>

Recovery: Total 2 grabs attempts. Sample taken from grab #2.

Visible contamination: Appears to be oil

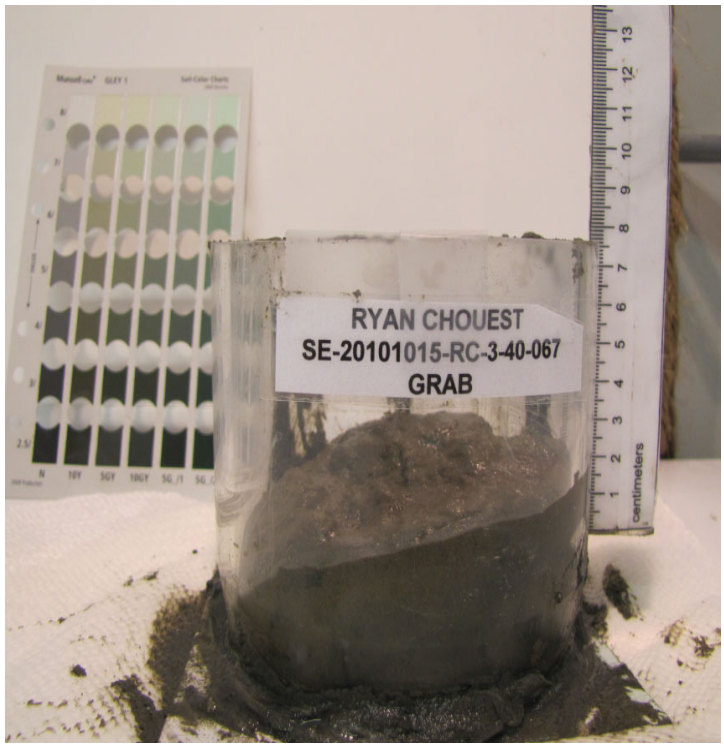
Olfactible contamination: anoxic and oily

Description: Sandy Silt

Color: Greenish Black 5GY 2.5/1 GLEY1

Remarks: no trace of biota

Biota: none



Station S126S

Lat: 29.515600
Long: -88.844612
20:17 (CDT)

<u>Sediment</u>

Recovery: Total 3 grabs attempts. Sample taken from grab #3.

Visible contamination: none

Olfactible contamination: none

Description: Fine Sand

Color: Greenish Black 10GY 2.5/1 GLEY1

Remarks: none

Biota: none

Station S137S

Lat: 29.513433
Long: -88.994714
21:58 (CDT)

<u>Sediment</u>

Recovery: Total 2 grabs attempts. Sample taken from grab #2.

Visible contamination: none

Olfactible contamination: none

Description: Denise Sandy Clay

Color: Greenish Black 10Y 2.5/1 GLEY1

Remarks: none

Biota: none

Station S121S

Lat: 29.208517
Long: -88.990526
23:59 (CDT)

<u>Sediment</u>

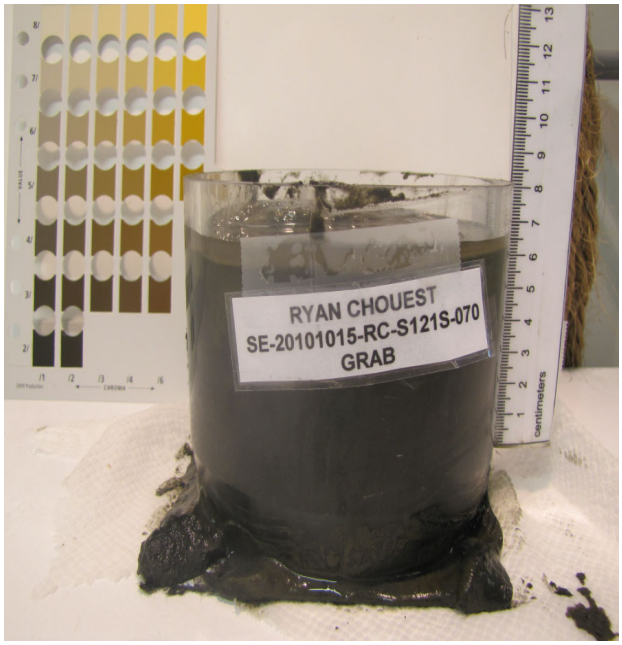
Recovery: Total 1 grabs attempts. Sample taken from grab #1.

Visible contamination: none

Olfactible contamination: none

Description: Wet Silty Mud

Color: Very Dark Brown 10YR/2 2/2

Remarks: none

Biota: none